

STUDIES IN THE EUPATORIEAE (ASTERACEAE). CCIII.

A NEW GENUS *BISHOPIELLA*.

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A generic survey of the tribe Eupatorieae continues to be complicated by the discovery of previously unknown genera from the American Tropics. Within the period since our attempt to complete the descriptions of all new genera, another distinctive novelty has been collected in Bahia, Brasil, by the senior author and L. E. Bishop. The genus is named here for the latter collector.

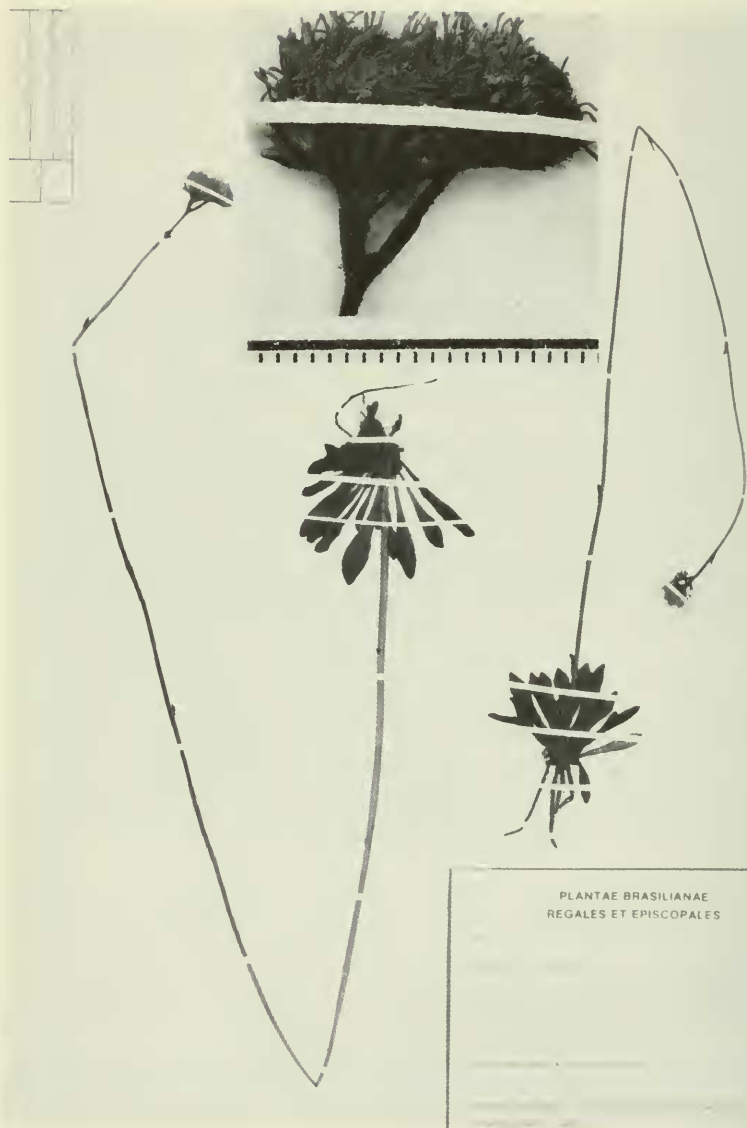
The new genus is a member of the subtribe Gyptidinae of the Eupatorieae that is represented by approximately 20 genera in Brasil. The eximbricate involucre, the conical receptacle, the densely papillose surface of the stylar appendage, and the strongly annulate ornamentation of the anther collar are all common features in the subtribe. *Bishopiella* is utterly distinct in the subtribe by the rosulate habit with an erect scapose inflorescence. Such a habit is more common in the Eupatorieae in the subtribe Liatrinae of the Southeastern United States, but is almost unknown in other subtribes. The scars on the conical receptacle of *Bishopiella* are large with narrow recessed interstices, similar to those of the generic group including *Barrosoa*, *Dasycondylus* and *Conocliniopsis*. The new genus differs from the first and second of these by the small carpodium and densely setose achene, and from the second by the glabrous unenlarged base of the style. It is possible that the closest relationship of *Bishopiella* is to the widespread, shrubby, monotypic *Conocliniopsis*.

BISHOPIELLA ELEGANS R. M. King & H. Robinson, gen. et sp. nov.
Asteracearum (Eupatorieae).

Plantae rosulatae acaulescentes. Folia carnosa oblanceolata 2-4 cm longa et 0.3-0.9 cm lata base cuneata margine integra apice anguste obtusa utrinque glabra trinervata, nervis secundariis valde ascendentibus obscuris. Inflorescentiae longe scaposae apice dense cymosae pauce ramosae, scapis 40-50 cm altis pallide brunnescentes leniter striatis inferne glabris superne sensim dense puberulis, bracteis scaporum remotis minutis 4-8 mm longis et 0.5-1.5 mm latis, ramis ultimis brevibus 2-7 mm longis dense puberulis. Capitula late campanulata 7-8 mm alta et 7-10 mm lata; squamae involucri fusco-virides subcarnosae eximbricatae ca. 2-seriatae lineari-lanceolatae ca. 4 mm longae et ad 1 mm

latae apice acutae extus inferne leniter bicostatae superne sparse puberulae; receptacula alte conica glabra distincte maculata in intersticibus insculpta. Flores ca. 40-50; corollae albae late infundibulares, tubis ca. 1 mm longis e basis sensim latioribus, faucibus ca. 2 mm longis extus sparse minute breviter glanduliferis, lobis ca. 1 mm longis et 0.8-1.0 mm latis ovato-triangularibus intus valde mamillosis extus superne et margine dense leniter papillosis extus aliter multo breviter glanduliferis; filamenta in parte superiore 0.15-0.20 mm longa, cellulis plerumque subquadratis vel breviter oblongis in parietibus valde transverse annulate ornatis; thecae ca. 1.3 mm longae; appendices antherarum ca. 0.15 mm longae et 0.30-0.35 mm latae apice truncatae; basi stylosum glabri non noduliferi; rami stylosum late lineares vel breviter taeniformes mamillosi apice sensim laeves. Achaenia breviter prismatica ca. 2 mm longa 5-costata inferne sensim paulum angustiora dense setifera inferne et in costis densiores inter costas persparse minute glandulifera; carpodia anguste annuliformia leniter prominula, cellulis 2-3-seriatis plerumque subquadratis ca. 20 μ m latis in parietibus aliquantum tenuibus; setae pappi ca. 35 plerumque 1.5-3.0 mm longae inferne margine subplumosae apice angustiores sensim sublaeves, cellulis apicalibus argute acutis. Grana pollinis in diametro 25-28 μ m.

TYPE: BRASIL: Bahia: Vicinity of Pico das Almas, ca. 20 km NW of the town of Rio das Contas. Elev. 3500-4600 ft. Herb in boggy marsh, flowers white. Jan. 25, 1981. *R.M. King & L.E. Bishop 8645* (Holotype, UB; isotype, US).



Bishopiella elegans R. M. King & H. Robinson, Holotype, Herbário Universidade de Brasília. Photos by Victor E. Krantz, Staff Photographer, Staff Photographer, National Museum of Natural History.